

AMENDMENT TO THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) An OLED device ~~having at least one pixel~~, comprising:
at least one pixel;
a planar light coupling layer having a front surface and a back surface, said layer having a thickness T ,
a light emitting portion for each pixel, disposed on the back surface of the light coupling layer; and
a microlens for each pixel, having a radius of curvature R , disposed on the front surface of the light coupling layer such that its ~~entre~~ center of curvature is within the light coupling layer,
wherein the radius of curvature R and the thickness T are such that $R = xT$, where x has a value in the range from 0.2 to 0.8.

2. (Currently Amended) An OLED device according to claim 1, being a bottom emitter in which the light coupling layer is a planar substrate, and comprising:
a planar substrate having a front surface and a back surface, said substrate having a substrate thickness T ;
a light emitting portion for each pixel, disposed on the back surface of the substrate; and
a microlens for each pixel, having a radius of curvature R , disposed on the front surface of the substrate such that its ~~entre~~ center of curvature is within the substrate, wherein

the radius of curvature R and the substrate thickness T are such that $R = xT$, where x has a value in the range from 0.2 to 0.8.

3. (Currently Amended) An OLED device according to claim 1, being a top emitter in which the light coupling layer is an encapsulating layer, and comprising:

- a planar substrate having a front surface and a back surface;
- a light emitting portion for each pixel, disposed on the front surface of the substrate;
- an encapsulating layer disposed over the light emitting portion and on the front surface of the substrate, the encapsulating layer having a front surface and a back surface, said encapsulating layer having an encapsulant thickness T ; and
- a microlens for each pixel, having a radius of curvature R , disposed on the front surface of the encapsulating layer such that its centre center of curvature is within the encapsulating layer;

~~wherein the radius of curvature R and the encapsulant thickness T are such that $R = xT$, where x has a value in the range from 0.2 to 0.8.~~

4. (Currently Amended) An OLED device according to any preceding claim 1, wherein the microlens is centred centered over the light emitting portion.

5. (Currently Amended) An OLED device according to any preceding claim 1, wherein x is in the range from 0.4 to 0.6.

6. (Original) An OLED device according to claim 5, wherein x is in the range from 0.45 to 0.6.

7. (Original) An OLED device according to claim 6, wherein x is in the range from 0.47 to 0.55.

8. (Original) An OLED device according to claim 7, wherein x is in the range from 0.49 to 0.55.

9. (Original) An OLED device according to claim 8, wherein x is 0.5.

10. (Currently Amended) An OLED device according to ~~any of claims~~ claim 1 to 9, wherein the microlens is a planoconvex lens.

11. (Currently Amended) An OLED device according to ~~any of claims~~ claim 1 to 9, wherein the microlens is a Fresnel lens.

12. (Currently Amended) An OLED device according to ~~any preceding~~ claim 1, wherein the light coupling layer is of a material having a refractive index in the range from 1.40 to 1.60.

13. (Currently Amended) An OLED device according to ~~any preceding~~
claim 1, wherein the microlens is of a material having a refractive index in the range
from 1.40 to 1.60.

14. (Currently Amended) An OLED device according to ~~any preceding~~
claim 1, wherein the material of at least one of the light coupling layer ~~or of~~ and the
microlens, ~~or of both~~, is glass or polycarbonate.

15. (Original) An OLED device according to claim 14, wherein the
material is glass having a refractive index in the range from 1.49 to 1.53.

16. (Currently Amended) An OLED device according to ~~any preceding~~
claim 1, wherein the light coupling layer defines an array of pixels having a pixel pitch
 P , and each microlens is disposed on the front surface of the light coupling layer such
that its centre center of curvature within the light coupling layer is at, or at a distance D
from, the front surface of the light coupling layer such that $D = zT$ wherein $D = R\sqrt{(1 -$
 $1/(2y^2))}$; y is defined by R/P ; and $z = 0.2 - 0.8$.

17. (Original) An OLED device according to claim 16, wherein the
thickness T and the pixel pitch P are such that $T = aP$, where a has a value in the range
from 0.4 to 2.5.

18. (Original) An OLED device according to claim 17, wherein the pixel pitch P is in the range from 0.2 to 0.4 mm and the thickness T is in the range from 0.3 to 1.0 mm.